

1 42. (Amended) A motor including:

2 (a) magnetic field generating means having N and S magnetic poles for
3 generating a magnetic field; and

4 (b) a core made of magnetic material and opposed to said magnetic field
5 generating means;

6 wherein one of said magnetic field generating means and said core rotates
7 with respect to the other,

8 wherein a number of said magnetic poles is $2m$ and a number of slots of
9 said core is $3n$ (m and n are integers), and

10 a plurality of slots formed in said core, said plurality of slots each have an
11 electrical angle which is one of:

12 a) between 80 degrees and 95 degrees; and

13 b) between 20 degrees and 35 degrees.
